



Articulated Dump Trucks



Stage IV/Tier 4f Certified No tyre scuff thus less tyre and road surface damage
 Smaller turning circle than the associated 6x6 model
 Highly manoeuvrable in tight spaces
 Same payloads as 6x6 associated model



Articulated Dump Trucks - B30E 4x4

Technical Data

ENGINE Manufacturer Mercedes Benz

Model OM936LA

Configuration Inline 6, turbocharged and intercooled

Gross Power 246 kW (329 hp) @ 2 200 rpm

Net Power 236 kW (316 hp) @ 2 200 rpm

Gross Torque 1 300 Nm (958 lbft) @ 1 150 -1 800 rpm

Displacement 7,7 litres (469 cu.in)

Auxiliary Brake Engine Valve Brake

Fuel Tank Capacity 302 litres (79.78 US gal)

AdBlue[®] Tank Capacity 31 litres (8.2 US gal)

Certification OM936LA meets EU Stage IV / EPA Tier 4 Final emissions regulations.

TRANSMISSION Manufacturer Allison

Model 3500PR ORS

Configuration Fully automatic planetary transmission with integral retarder.

Layout Engine mounted

Gear Layout Constant meshing planetary gears, clutch operated.

Gears 6 Forward, 1 Reverse

Clutch Type Hydraulically operated multi-disc

Control Type Electronic Torque Control Hydrodynamic with lock-up in all gears.

TRANSFER CASE Manufacturer

Kessler Series W1400

Layout Remote mounted

Gear Layout Three in-line helical gears

Output Differential Interaxle 33/67 proportional differential. Automatic inter-axle differential lock.

AXLES

Manufacturer

Model Front: Bell 18T Rear: Bell 36T

Front Differential High input limited slip differential with spiral bevel gears.

Final Drive Outboard heavy duty planetary on all axles.

BRAKING SYSTEM

Service Brake Dual circuit, full hydraulic actuation wet disc brakes on all axles.

Maximum brake force: 263 kN (59 125 lbf)

Park & Emergency Spring applied, air released driveline mounted disc.

Maximum brake force: 396 kN (89 000 lbf)

Auxiliary Brake Automatic engine valve brake. Automatic, adjustable, integral, hydrodynamic transmission retarder. Output shaft speed dependent. Total Retardation Power Continuous: 318 kW (426 hp) Maximum: 588 kW (788 hp)

WHEELS Type

Tyre Front: 23.5 R25 Rear: 29.5 R25

Radial Earthmover

FRONT SUSPENSION

Semi-independent, leading A-frame supported by hydro-pneumatic suspension struts.

Optional: Adaptive Comfort Ride suspension.

HYDRAULIC SYSTEM

Full load sensing system serving the prioritized steering, body tipping and brake functions. A ground-driven, load sensing emergency steering pump is integrated into the main system.

Pump Type Variable displacement load sensing piston Flow 165 l/min (44 gal/min)

Pressure 28 MPa (4 061 psi)

Filter 5 microns

STEERING SYSTEM Double acting cylinders, with grounddriven emergency steering pump.

Lock to lock turns 4,1 Steering Angle

45°

DUMPING SYSTEM Two double-acting, single stage, dump cylinders.

Raise Time 12 s Lowering Time

Tipping Angle 70° standard, or any lower angle programmable.

PNEUMATIC SYSTEM

Air drier with heater and integral unloader valve, serving park brake and auxiliary functions.

System Pressure 810 kPa (117 psi)

ELECTRICAL SYSTEM Voltage 24 V

Battery Type Two AGM (Absorption Glass Mat) type.

Battery Capacity 2 X 75 Ah

Alternator Rating 28V 80A

VEHI	CLE SPEEDS	
1st	7 km/h	4 mph
2nd	12 km/h	8 mph
3rd	19 km/h	12 mph
4th	27 km/h	17 mph
5th	39 km/h	24 mph
6th	45 km/h	28 mph
R	7 km/h	4 mph

CAB

ROPS/FOPS certified 74 dBA internal sound level measured according to ISO 6396.

Load Capacity & Ground Pressure

OPERATIN	OPERATING WEIGHTS		GROUND PRESSURE		APACITY	OPTION WEIGHTS	
UNLADEN	kg (lb)	LADEN-N	o Sinkage	BODY	m³ (yd³)		kg (lb)
Front	10 453 (23 045)	23.5 R 25	kPa (Psi)	Struck Capacity	15 (19,5)	Extra wheelset:	
Rear	11 064 (24 392)	Front	278 (40)	SAE 2:1 Capacity	18,5 (24)	Front	565 (1 246)
Total	21 517 (47 437)			SAE 1:1 Capacity	21 (27,5)	Rear	937 (2 066)
		29.5 R25	kPa (Psi)				
LADEN		Rear	464 (67)	Rated Payload	28 000 kg		
Front	12 819 (28 261)				(61 729 lbs)		
Rear	36 698 (80 905)						
Total	49 517 (109 166)						



Dimensions



NVM 21 517 kg

47 437 lb 260

240

220

200

180

160

140

120

100

80

60

40

20

0

200

180

160

140

100

80

60 ance =

40

0

sistanc 120

%Rolling

%Grade

Total Resist 20

29 850

39 850 Mass (kg)

% Bolling

Total Resistance = % Grade

Gradeability/Rimpull

- 1. Determine tractive resistance by finding intersection of vehicle mass line and grade line. NOTE: 2% typical rolling resistance is already assumed in chart and grade line.
- 2. From this intersection, move straight right across charts until line intersects rimpull curve.
- 3. Read down from this point to determine maximum speed attained at that tractive resistance.



Retardation

- 1. Determine retardation force required by finding intersection of vehicle mass line.
- 2. From this intersection, move straight right across charts until line intersects the curve. NOTE: 2% typical rolling resistance is already assumed in chart.
- 3. Read down from this point to determine maximum speed.





SUPPORTING YOU EVERY STEP OF YOUR BELL OWNERSHIP EXPERIENCE



Cutting edge technology, helping you run your fleet smarter. Providing accurate, up-to-date operational data, production data and diagnostic data.

The key to a productive and profitable fleet, lies in the ability to monitor and manage your machines and operators efficiently. Machine operational data is processed and compiled into useful production and performance statistics, accessible via the Bell Fleetm@tic[®] website. These reports are also automated and emailed directly to you. The two monitoring packages that we have available, are:

• The Classic Package supplies you with good enough information for you to have a very good understanding of how your machines is operating for each shift that it runs. This package comes standard with the machine for 2 years.

• The Premium Package is focused on customers who need to have extremely detailed information of the machine's operation. For this package we offer similar information to that of the Classic Package but for each individual laden - unladen cycle. In addition, live tracking is available on the Fleetm@tic[®] website on a per minute basis.

Fleetm@tic[®]:

- Maximise productivity
- Generate machine utilisation reports
- Identify operator training requirements
- Pro-active maintenance planning
- Receive machine health data
- Implement safety features
- Protect investments
- Receive real time geospatial data

Articulated Dump Trucks - B45E 4x4

I Technical Data

ENGINE Manufacturer Mercedes Benz (MTU)

Model OM471LA (MTU 6R 1300)

Configuration Inline 6, turbocharged and intercooled

Gross Power 390 kW (523 hp) @ 1 700 rpm

Net Power 369 kW (495 hp) @ 1 700 rpm

Gross Torque 2 460 Nm (1 814 lbft) @ 1 300 rpm

Displacement 12,8 litres (781 cu.in)

Auxiliary Brake Engine Valve Brake

Fuel Tank Capacity 352 litres (93 US gal)

AdBlue[®] Tank Capacity 40 litres (11 US gal)

Certification OM471LA (MTU 6R 1300) is EU Stage IV / EPA Tier 4 Final emissions regulations.

TRANSMISSION Manufacturer Allison

Model 4700 ORS

Configuration Fully automatic planetary transmission.

Layout Engine mounted

Gear Layout Constant meshing planetary gears, clutch operated.

Gears 7 Forward, 1 Reverse

Clutch Type Hydraulically operated multi-disc

Control Type Electronic **Torque Control** Hydrodynamic with lock-up in all gears.

TRANSFER CASE Manufacturer

Kessler **Series**

W2400 Layout

Remote mounted Gear Layout

Three in-line helical gears **Output Differential** Interaxle 29/71 proportional differential. Automatic inter-axle differential lock

AXLES

Manufacturer

Model Front: Bell 30T Rear: Kessler D106

Differential Front: High input controlled traction Differential with spiral bevel gears.

Rear: Centre input open differential with spiral bevel gears.

Final Drive Outboard heavy duty planetary on all axles.

BRAKING SYSTEM

Service Brake Dual circuit, full hydraulic actuation wet disc brakes on front and rear axles. Wet brake oil is circulated through a filtration and cooling system.

Maximum brake force: 330 kN (74 187 lbf)

Park & Emergency Spring applied, air released driveline mounted disc.

Maximum brake force: 379 kN (85 203 lbf) Auxiliary Brake Automatic engine valve brake. Automatic retardation through electronic activation of wet brake system.

Total Retardation Power Continuous: 442 kW (593 hp) Maximum: 854 kW (1 145 hp)

WHEELS

Type Radial Earthmover

Tyre Front: 775/65 R29 (26.5 R25 optional) Rear: 21.00 R35 Dual

FRONT SUSPENSION

Semi-independent, leading A-frame supported by hydro-pneumatic suspension struts.

Optional: Electronically controlled adaptive suspension with ride height adjustment.

HYDRAULIC SYSTEM

Full load sensing system serving the prioritized steering, body tipping and brake functions. A ground-driven, load sensing emergency steering pump is integrated into the main system.

Pump Type

Variable displacement load sensing piston

Flow

330 L/min (87 gal/min)

Pressure 315 bar (4 569 psi)

Filter 5 microns

STEERING SYSTEM Double acting cylinders, with grounddriven emergency steering pump.

Lock to lock turns

Steering Angle 42°

DUMPING SYSTEM

Two double-acting, two stage telescopic, dump cylinders.

Raise Time 13 s

Lowering Time 13 s

Tipping Angle 55° standard, or any lower angle programmable.

PNEUMATIC SYSTEM

Air drier with heater and integral unloader valve, serving park brake and auxiliary functions.

System Pressure 810 kPa (117 psi)

ELECTRICAL SYSTEM

Voltage 24 V

Battery Type Two AGM (Absorption Glass Mat) type.

Battery Capacity 2 X 75 Ah

Alternator Rating 28V 80A

VEHI	CLE SPEEDS	
1st	3.5 km/h	2,1 mph
2nd	8 km/h	5 mph
3rd	15 km/h	9 mph
4th	21 km/h	13 mph
5th	31 km/h	19 mph
6th	42 km/h	26 mph
7th	48 km/h	30 mph
R	6 km/h	3,7 mph

CAB

ROPS/FOPS certified 74 dBA internal sound level measured according to ISO 6396.

Load Capacity & Ground Pressure

OPERATING WEIGHTS		GROUND PRESSURE		LOAD CA	PACITY	OPTION WEIGHTS	
UNLADEN	kg (lb)	LADEN B		BODY	m ³ (yd ³)		kg (lb)
Front	17 548 (38 686)	No Sinkage/Tot	No Sinkage/Total Contact Area S		19,5 (25,5)	Bin liner	1 404 (3 095)
Rear	15 768 (34 762)	26.5 R 25	kPa (Psi)	SAE 2:1 Capacity	25 (33)	Tailgate	1 435 (3 16 3)
Total	33 316 (73 448)	Front	400 (58)	SAE 1:1 Capacity	29,5 (38)		
				SAE 2:1 Capacity			
LADEN		775/65 R29	kPa (Psi)	with Tailgate	26 (34)		
Front	22 190 (48 921)	Front	367 (53)				
Rear	52 126 (114 918)						
Total	74 316 (163 839)	21.00 R35	kPa (Psi)	Rated Payload	41 000 kg		
		Rear	419 (61)		(90 390 lbs)		

Dimensions

Machine Dimensions

A Length - Transport Position with rangate 10 151 mm (33.25 A Length - Transport Position w/o Tailgate 10 111 mm (33.170 A1 Length - Bin Fully Tipped 10 449 mm (34.28 B Height - Transport Position w/o Rock Guard 3 864 mm (12.67 B Height - Transport Position with Rock Guard 4 236 mm (13.89 B1 Height - Itality Tipped w/o Rock Guard 4 038 mm (13 ft.3 B2 Height - Load Light 4 127 mm (13 ft.6 B3 Bin Height - Fully Tipped w/o Rock Guard 6 200 mm (20.39 B4 Bin Height - Rock Guard Operating Position 4 236 mm (13.89 B6 Height - Cab 3 802 mm (12 ft.6 C Width over Mudguards 3 495 mm (11 ft.6 D Width over Front Tyres 275/65R29 3 690 mm (12 ft.1) D1 Width over Rear Tyres 21.00R35 3 960 mm (13 ft.1) D Width over Rear Tyres 21.00R35 3 960 mm (13 ft.1) E Tyre Track Width Front 26.5R25 2 793 mm (9.5 ft.1) E Tyre Track Width Rear 21.00R35 2 677 mm (8.8 ft.1)	t.) ft.) t.) t.) in.) t.) t.) t.)
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B1 Height - Rotating Beacon 4 038 mm (13 ft.3 B2 Height - Load Light 4 127 mm (13 ft.3 B3 Bin Height - Load Light 4 127 mm (13 ft.3 B3 Bin Height - Fully Tipped w/o Rock Guard 6 200 mm (20.34 B4 Bin Height - Fully Tipped with Rock Guard 6 400 mm (20.99 B5 Height - Rock Guard Operating Position 4 236 mm (13.89 B6 Height - Cab 3 802 mm (12 ft.6 C Width over Mudguards 3 495 mm (11 ft.6 D Width over Front Tyres 775/65R29 3 690 mm (12 ft.) D Width over Front Tyres 26.5R25 3 425 mm (11.2 ft.) D Width over Front Tyres 21.00R35 3 960 mm (13 ft.1.2 ft.) D Width over Rear Tyres 21.00R35 3 960 mm (13 ft.1.2 ft.) D Width over Rear Tyres 21.00R35 2 905 mm (9.5 ft.) E1 Tyre Track Width Front 26.5R25 2 793 mm (9.2 ft.) E Tyre Track Width Rear 21.00R35 2 677 mm (8.8 ft.)	in.) in.) t.) t.) t.)
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B4 Bin Height - Fully Tipped with Rock Guard 6 400 mm (20.99) B5 Height - Rock Guard Operating Position 4 236 mm (13.89) B6 Height - Cab 3 802 mm (12 ft.6) D Width over Front Tyres 775/65R29 3 690 mm (12 ft.6) D1 Width over Front Tyres 26.5R25 3 425 mm (11 ft.6) D Width over Rear Tyres 21.00R35 3 960 mm (13 ft.) E Tyre Track Width Front 775/65R29 2 905 mm (9.5 ft.) E1 Tyre Track Width Front 756.5R25 2 793 mm (9.2 ft.) E Tyre Track Width Rear 21.00R35 2 677 mm (8.8 ft.)	t.) t.) in.)
B5 Height - Rock Guard Operating Position 4 236 mm (13.89) B6 Height - Cab 3 802 mm (12 ft.6) C Width over Mudguards 3 495 mm (11 ft.6) D Width over Front Tyres 775/65R29 3 690 mm (12 ft.6) 1 Width over Front Tyres 26.5R25 3 425 mm (11.2 ft.6) D Width over Front Tyres 21.00R35 3 960 mm (13 ft.) E Tyre Track Width Front 75/65R29 2 905 mm (9.5 ft.) E1 Tyre Track Width Front 26.5R25 2 793 mm (9.2 ft.) E Tyre Track Width Rear 21.00R35 2 677 mm (8.8 ft.)	t.) in.)
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E1 Tyre Track Width Front 26.5R25 2 793 mm (9.2 ft.) E Tyre Track Width Rear 21.00R35 2 677 mm (8.8 ft.)	
E Tyre Track Width Rear 21.00R35 2 677 mm (8.8 ft.)	
F Width over Bin 4 265 mm (14 ft.)	
F1 Width over Tailgate 4 553 mm (14.93	t.)
G Width over Mirrors - Operating Position 4 558 mm (15 ft.)	
H Ground Clearance - Artic 545 mm (21.46	n.)
I Ground Clearance - Front Axle 543 mm (21.34	n.)
J Ground Clearance - Bin Fully Tipped 913 mm (3 ft.)	
K Bin Lip Height - Transport Position 2 557 mm (8.34 ft)
L Bin Length 4 559 mm (14.96	t.)
M Load over Height 3 481 mm (11.4 ft)
N Rear Axle Centre to Bin Rear 1 860 mm (6.1 ft.)	
P Rear Axle Centre to Front Axle Centre 5 000 mm (16.4 ft)
Q Front Axle Centre to Machine Front 3 256 mm (10 ft.8	in.)
R Front Axle Centre to Artic Centre 1 558 mm (5 ft.1	n.)
S Approach Angle 24 °	
T Maximum Bin Tip Angle 55 °	
U Maximum Articulation Angle 42 °	
V Front Tie Down Height 1 262 mm (4 ft.2	ı.)
W Machine Lifting Centres 9 415 mm (30.9 ft	_
X Inner Turning Circle Radius 3 956 mm (12.9 ft)
Y Outer Turning Circle Radius 8 655 mm (28.4 ft))

Gradeability/Rimpull

- 1. Determine tractive resistance by finding intersection of vehicle mass line and grade line. NOTE: 2% typical rolling resistance is already assumed in chart and grade line.
- 2. From this intersection, move straight right across charts until line intersects rimpull curve.
- 3. Read down from this point to determine maximum speed attained at that tractive resistance.

NVM 33 316 kg 73 449 lb

360

340

320

300 280

260 240

220

200

180

160

140

120 100 80

60

40

20

0

41798

Total Resistance = % Grade - % Rolling resistance

Retardation

- 1. Determine retardation force required by finding intersection of vehicle mass line.
- 2. From this intersection, move straight right across charts until line intersects the curve. NOTE: 2% typical rolling resistance is already assumed in chart.
- 3. Read down from this point to determine maximum speed.

B60E All Wheel Drive

The Bell B60E offers our customers more tonnage than ever before, and at a related lower cost per tonne. It keeps all of the traditional Bell safety and productivity features while still offering off-road capability that non-ADT solutions cannot match.

Bell has a history of leading the ADT industry and offering our customers more in two distinct ways - through the innovations that we apply to our products and our principle that larger trucks give lower cost per tonne. These two factors are ideally combined in the B60E to give a real

value adding package.

The Bell B60E has been developed as a result of the Bell tradition of listening to our customers. They were looking for a machine that would perform better than conventional haulage solutions in slippery and undulating conditions, but didn't need the 'go anywhere' ability of a 3 axle 6x6 ADT. In response Bell has filled this conspicuous gap in the market with the B60E crossover solution.

The B60E has been enthusiastically received, giving productivity during adverse weather conditions when other machines are unable to operate, and also tolerating less site maintenance, which has large cost and hassle implications for many sites.

- The oscillation joint is what makes an ADT. It keeps the wheels on the ground ensuring traction when driving over rough terrain. The B60E has inherited the oscillation joint of the B50E, which has been strengthened appropriately.
- Articulated steering between the front and rear chassis produces much tighter turning circles than a steered axle, and makes the B60E an ideal machine for tight sites.
- By configuring the driveline to direct drive to all wheels, the Bell B60E can go places where conventional trucks cannot.
- In deep soft mud it won't necessarily match its 3 axle counterparts but it has proven itself to be a more than capable machine in challenging conditions.

Articulated Dump Trucks - B60E 4x4

Technical Data

ENGINE Manufacturer Mercedes Benz (MTU)

Model OM473LA (MTU 6R 1500)

Configuration Inline 6, turbocharged and intercooled.

Gross Power 430 kW (577 hp) @ 1 700 rpm

Net Power 405 kW (543 hp) @ 1 700 rpm

Gross Torque 2 750 Nm (2 028 lbft) @ 1 300 rpm

Displacement 15,6 litres (952 cu.in)

Auxiliary Brake Engine Valve Brake

Fuel Tank Capacity 494 litres (130 US gal)

AdBlue[®] Tank Capacity 40 litres (11 US gal)

Certification OM473LA (MTU 6R 1500) meets EU Stage IV / EPA Tier 4 Final emissions regulations.

TRANSMISSION Manufacturer Allison

Model 4800 ORS

Configuration Fully automatic planetary transmission

Layout Engine mounted

Gear Layout Constant meshing planetary gears, clutch operated

Gears 7 Forward, 1 Reverse

Clutch Type Hydraulically operated multi-disc

Control Type Electronic **Torque Control** Hydrodynamic with lock-up in all gears.

TRANSFER CASE Manufacturer Kessler

Series

W2400

Layout Remote mounted

Gear Layout Three in-line helical gears

Output Differential Interaxle 29/71 proportional differential. Automatic inter-axle differential lock.

AXLES

Manufacturer Front - Bell Rear - Kessler

Model Front: 30T Rear: 71T

Differential Front: High input controlled traction differential with spiral bevel gears

Rear: Centre input open differential with spiral bevel gears

Final Drive Outboard heavy duty planetary on all axles.

BRAKING SYSTEM

Service Brake Dual circuit, full hydraulic actuation wet disc brakes on front and rear axles. Wet brake oil is circulated through a filtration and cooling system.

Maximum brake force: 437 kN (98 242 lbf)

Park & Emergency Spring applied, air released driveline mounted disc.

Maximum brake force: 379 kN (85 203 lbf) Auxiliary Brake Automatic engine valve brake. Automatic retardation through electronic activation of wet brake system.

Total Retardation Power Continuous: 574 kW (770 hp) Maximum: 983 kW (1 318 hp)

WHEELS

Type Radial Earthmover

Tyre Front: 875/65 R29 Rear: Twin 24.00 R35

FRONT SUSPENSION

Semi-independent, leading A-frame supported by hydro-pneumatic suspension struts. Suspension is electronically controlled adaptive suspension with ride height adjustment.

REAR SUSPENSION

Trailing arm cradle supported by hydro-pneumatic suspension struts, with an additional lateral stabiliser.

HYDRAULIC SYSTEM

Full load sensing system serving the prioritized steering, body tipping, suspension and brake functions. A ground-driven, load sensing emergency steering pump is integrated into the main system.

Pump Type Variable displacement load sensing piston Flow

330 L/min (87 gal/min)
Pressure

250 bar (3 626 psi) Filter

5 microns

STEERING SYSTEM

Double acting cylinders, with grounddriven emergency steering pump.

Lock to lock turns 4,9 Steering Angle 42°

DUMPING SYSTEM

Two double-acting, two stage telescopic, dump cylinders.

Raise Time 17 seconds

Lowering Time 18 seconds

Tipping Angle 55 deg standard, or any lower angle programmable

PNEUMATIC SYSTEM Air drier with heater and integral

unloader valve, serving park brake and auxiliary functions.

System Pressure 810 kPa (117 psi)

ELECTRICAL SYSTEM Voltage 24 V

Battery Type Two AGM (Absorption Glass Mat) type.

Battery Capacity 2 X 75 Ah

Alternator Rating 28V 80A

MAX.	VEHICLE SPI	EED
1st	4 km/h	2,5 mph
2nd	8 km/h	5,6 mph
3rd	16 km/h	10,6 mph
4th	21 km/h	13,7 mph
5th	30 km/h	20 mph
6th	41 km/h	27 mph
7th	47 km/h	32 mph
R	6 km/h	4 mph

CAB

ROPS/FOPS certified 74 dBA internal sound level measured according to ISO 6396.

Load Capacity & Ground Pressure

OPERATIN	G WEIGHTS	GROUND P	RESSURE*	LOAD CAPACITY		OPTION WEIGHTS	
UNLADEN	kg (lb)	LAD	LADEN E		m³ (yd³)		kg (lb)
Front	20 211 (44 558)	(No sinkage/Total Co	ontact Area Method)	Struck Capacity	27 (35,3)	Bin liner	1 116 (2 460)
Rear	22 265 (49 086)	875/65 R29	kPa (Psi)	SAE 2:1 Capacity	35 (45,8)	Tailgate	1 516 (3 342)
Total	42 476 (93 644)	Front	333 (48)	SAE 1:1 Capacity 42 (54,9)			
				SAE 2:1 Capacity			
LADEN		24.00 R35	kPa	with Tailgate	35,6 (46,6)	EXTRA WHEELS	ET
Front	26 811 (59 108)	Rear	469 (68)			875/65 R29	1 024 (2 258)
Rear	70 665 (155 768)			Rated Payload	55 000 kg	24.00 R35	1 240 (2 734)
Total	97 476 (214 898)				(121 254 lb)		

* Front ground pressure calculated with Michelin XAD65-1 tyre. Rear ground pressure calculated with Michelin XDT B tyre.

Dimensions

Machine Dimensions A Length - Transport Position 11 114 mm (36 ft. 6 in.) A1 Length - Bin Fully Tipped 11 178 mm (36 ft. 8 in.) в Height - Transport Position w/o Rock Guard 4 209 mm (13 ft.10 in.) в Height - Transport Position with Rock Guard 4 212 mm (13 ft.10 in.) B1 Height - Rotating Beacon 4 050 mm (13 ft. 3 in.) B2 Height - Load Light 4 333 mm (14 ft, 2 in.) B3 Bin Height - Fully Tipped w/o Rock Guard 7 476 mm (24 ft. 6 in.) B4 Bin Height - Fully Tipped with Rock Guard 7 692 mm (25 ft. 3 in.) B5 Height - Rock Guard Operating Position 4 675 mm (15 ft. 4 in.) B6 Height - Cab 3 813 mm (12 ft. 6 in.) C Width over Mudguards 3 790 mm (12 ft. 5 in.) D Width over Tyres - Front - 875/65 R29 3 832 mm (12 ft. 7 in.) Width over Tyres - Rear - 24.00R35 Е 4 444 mm (14 ft. 7 in.) Tyre Track Width - Front 2 949 mm (9 ft. 8 in.) F Tyre Track Width - Rear F 2 992 mm (9 ft. 10 in.) G Width over Bin 4 487 mm (14 ft. 9 in.) н Width over Mirrors - Operating Position 5 242 mm (17 ft. 2 in.) Ground Clearance - Artic 561 mm (22. 09 in.) J Ground Clearance - Front Axle 554 mm (21. 81 in.) κ Ground Clearance - Bin Fully Tipped 851 mm (33. 5 in.) Bin Lip Height - Transport Position L 2 952 mm (9 ft. 8 in.) Bin Length 5 036 mm (16 ft. 6 in.) м Load over Height Ν 3 824 mm (12 ft, 7 in.) 0 Rear Axle Centre to Bin Rear 2 477 mm (8 ft. 2 in.) Р Rear Axle Centre to Front Axle Centre 5 285 mm (17 ft. 4 in.) Q Front Axle Centre to Machine Front 3 352 mm (11 ft.) R Front Axle Centre to Artic Centre 1 558 mm (5 ft. 1 in.) s Approach Angle 22 ° Maximum Bin Tip Angle т 55 ° υ Maximum Articulation Angle 42 ° v Front Tie Down Height 1 263 mm (4 ft. 2 in.) Machine Lifting Centres 10 116 mm (33 ft. 2 in.) w х Inner Turning Circle Radius 4 246 mm (13 ft.11 in.)

9 216 mm (30 ft. 3 in.)

Y Outer Turning Circle Radius

Gradeability/Rimpull

- Determine tractive resistance by finding intersection of vehicle mass line and grade line. NOTE: 2% typical rolling resistance is already assumed in chart and grade line.
- 2. From this intersection, move straight right across charts until line intersects rimpull curve.
- 3. Read down from this point to determine maximum speed attained at that tractive resistance.

Retardation

- 1. Determine retardation force required by finding intersection of vehicle mass line.
- From this intersection, move straight right across charts until line intersects the curve. NOTE: 2% typical rolling resistance is already assumed in chart.
- 3. Read down from this point to determine maximum speed.

Features and Options

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- In	$f \downarrow \downarrow$	<i>∀</i> .			7	
/õ	15			5/5	1/ĝ	<i>{</i> /
14	4 4		100	1/201	1	/
		ENGINE			[CAB (continued)
		Engine valve brake				Heated mirrors
		Dual alomost air cleaser with dust elector valve				Electric adjustable and beated mirrors
		Dual element all cleaner with dust ejector valve				Deluve 10" seler LCD:
		Mela and allomatic dust scavenging	•		•	
		vvater separator				Speedometer / Fuel gauge /
		Serpentine drive belt with automatic tensioner				Iransmission oil temperature gauge /
		Provision for fast fill				Engine coolant temperature gauge /
		Wet-sleeve cylinder liners				LED function/warning indicators and audible
						alarm / Transmission gear selection /
		COOLING				Tachometer / Battery voltage / Hour meter /
	\bullet	Crankshaft mounted electronically controlled				Odometer / Fuel consumption / Tip counter /
		viscous fan drive				Trip timer / Trip distance / Metric/English units /
	• •	Fan guard				Service codes/diagnostics
						Backlit sealed switch module functions with
		PNEUMATIC SYSTEM	-		•	Wiper control / Lights / Heated mirrors /
		Engine-mounted compressor				Retarding aggressiveness / Transfer case
		Air drior with bostor				differential lock / Transmission goar hold /
		Integral unleader value				Dump body tip limit / Automatic dump body
						tin anttinge (Air conditioner (Llaster controls (
		ELECTRICAL SYSTEM				up seturigs / Air conditioner/ Heater controls /
						Preselected Speed Control
		Battery disconnect				DUMD DODY
	•	Halogen drive lights			_	DOMP BODY
		LED drive lights				Dump body mechanical locks (x2). Partially up
	\bullet \bullet	Air horn				and fully up
		Reverse alarm				Body liner
		White noise reverse alarm				Tailgate
		Rotating beacon				Body heater
		Pitch roll sensor				Less dump body and cylinders
	• •	Artic reverse light				Bin pole lockout
	• •	Halogen reverse lights				Rear wheel mudguards
		LED reverse lights				-
		Ŭ				OTHER
		STEERING SYSTEM			•	Automatic Traction Control (ATC)
	• •	Bi-directional ground-driven secondary steering pump	•		•	Wet disc brakes
			- I		-	23.5 B25 Badial Earthmover tyres (Front)
		САВ	- T			26.5 B25 Badial Earthmover tyres (Front)
		BOPS/FOPS certification				775/65 B29 Badial Earthmover tyres (Front-optional)
		Tilt cab		-		29 5 R25 Radial Farthmover tyres (Rear)
		Gas strut-supported door	-			21 00 R35 Dual (Rear)
		Latin programmable dump-body tip sattings				Remote grease banks
		HVAC Climate control evictors				
		AM/EM radio with Aux + LISP				Automatic yreasing Opboard Wajabing
		AIVI/FIVI TAUIO WILLI AUX + USD		🎽		
		Hear window guard				Load lights: stack
		vviper/wasner with intermittent control				Comfort ride suspension (Front)
		Lilt and telescoping steering wheel				Comfort ride suspension (Rear)
	$\bullet \mid \bullet \mid$	Center-mount air-suspension seat				Reverse camera
		Forward work lights				Hand rails
		LED work lights				Cab peak
		Rotating beacon: seat belt installation				High pressure hydraulic filter
		Remote engine and machine isolation				Fuel heater
	• •	Remote battery jump start				Belly cover
		Retractable 3 point seat belt	- I		•	Cross member cover
		Heated seat				Remote transmission filters
		Foldaway trainer seat with retractable seat belt				Engine and transmission remote drain-gravity
		12-volt power outlet	-			Engine and transmission remote drain-seavence
		Cab utility bin (removable)				Window smash button
		Cup holder				High visibility mirrore
		Cooled/bosted lunch box				i light visibility Hillitois Electro@tic® Classic Dackage for 2 veers
			-		•	Fleetinglic Classic Package for 2 years
I [Ivianually adjusted mirrors				

All dimensions are shown in millimeters, unless otherwise stated between brackets. Under our policy of continuous improvement, we reserve the right to change technical data and design without prior notice. Photographs featured in this brochure may include optional equipment. Blu@dvantage^m is a trademark of Bell Equipment Co. (PTY) Ltd AdBlue[®] is a registered trademark of VDA

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